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(54) **REMOTE COORDINATE INPUT DEVICE AND REMOTE COORDINATE INPUT METHOD**

(75) Inventor: **Kunio Yoneno**, Shiojiri (JP)

(73) Assignee: **Seiko Epson Corporation**, Tokyo (JP)

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Primary Examiner—Bipin Shalwala
Assistant Examiner—Ricardo Osorio
(74) *Attorney, Agent, or Firm*—Oliff & Berridge PLC

(57) **ABSTRACT**

The invention prevents an audience from being distracted by movements of a demonstrator that are not related to movements of a pointer on a screen, and by the demonstrator moving away from the screen, during a presentation which is performed by enlarging and projecting the display of a personal computer onto the screen by a projector. A designating tool, which is held by the hand of the demonstrator, is imaged by an imaging part which is disposed at the top of the screen. On the front of the designating tool, infrared LEDs are disposed at each vertex of an isosceles triangle, and recessed at the center, and the orientation of the designating tool is obtained from the positional relationship of the infrared LEDs of an image which has been imaged by the imaging part. This orientation is converted to planar coordinates and is sent to a computer, a marker is displayed on a screen, and the software is operated.

7 Claims, 25 Drawing Sheets